

August 13, 1987

TO: File

FROM: Frank J. Filas, Reclamation Engineer 

RE: Site Inspection, Tony M/Lucky Strike Mines, M/017/001

On July 28, 1987, Ron Daniels, and I met with Jack Thamm, Bill Collins, and Susan Pentico onsite at Plateau Resources's Ticaboo operations. The purpose of this visit was for further clarification of the permit requirements for the Tony M/Lucky Strike Mines.

With regard to the Lucky Strike Mine, it was agreed that Plateau Resources would do the following work when the site is reclaimed:

1. Backfill and blast the brow down on the main north-south portals. The numerous short tunnels will not have to be sealed unless they were mined after July 1, 1977.
2. Disc, seed, and install water bars as necessary on the two access roads.
3. Block the access roads with large boulders or otherwise render these roads impassable to future vehicle access.

A Division administrative decision has already been made to exclude the Lucky Strike dumps from any further reclamation requirements. These dumps are located below the Lucky Strike portals, and it appears that they are stable and will eventually revegetate naturally.

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With regard to the Tony M Mine, the following discussions took place:

Waste Dump

Mr. Thamm stated that the Division's recommendation for placement of the two feet of soil cover over the dumps would be extremely expensive because the nearest large soil source was five miles distant. He also stated that the transplanted root stock-drip irrigation method of revegetation would not be practical. He did agree, that some soil cover would probably be necessary to properly revegetate the acidic waste piles.

We encouraged Mr. Thamm to experiment with different amounts of soil cover and fertilization rates on the existing Tony M dumps. It would be necessary to choose an unused area of the dump and grade it down to 2 horizontal/1 vertical or less. Ron Daniels recommended that each plot be at least 50 feet by 50 feet in size and should include both level and sloped areas. We recommended that the seed mix that was included in the 1980 reclamation plan be used in these tests. This mix included the following species:

<u>Species</u>	<u>Lbs/Acre</u>
Nettle Saltbush	3.5
Shadscale	2.5
Mat saltbush	2.5
Indian ricegrass	4.0
Gooseberryleaf globe mallow	1.0
Alkali sacation	<u>3.0</u>
Total	16.5

The use of proper seeding methods was stressed during this conversation.

Drainage

Runoff from the top of the mesa through the Tony M Mine area is considerable. At the present time, most of this runoff is channeled into the Tony M portals. Final reclamation of the site will have to plan for channeling this water to the drainage below. Several methods of accomplishing this were discussed.

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Ore Bins

The concrete ore bins will also have to be removed or covered as part of the final reclamation. Covering them with waste material and soil appeared to be the least expensive option at this time.

clj
cc: L. Braxton
R. Daniels
J. Thamm, Plateau Resources
1210R/96-98